

Date: Wed, 29 Dec 93 04:30:08 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1519  
To: Info-Hams

Info-Hams Digest                      Wed, 29 Dec 93                      Volume 93 : Issue 1519

Today's Topics:

Daily Summary of Solar Geophysical Activity for 28 December  
Help with Scanner  
RFI into telephones  
who sells good HT battery replacements?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 28 Dec 1993 22:23:12 MST  
From: usc!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!alberta!nebulus!  
ve6mgs!usenet@network.ucsd.edu  
Subject: Daily Summary of Solar Geophysical Activity for 28 December  
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

28 DECEMBER, 1993

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 28 DECEMBER, 1993

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NOTE: Intense stratospheric warming exists over Siberia and is expanding northwards.

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 362, 12/28/93
10.7 FLUX=133.6  90-AVG=099          SSN=108      BKI=0000 0100  BAI=000
BGND-XRAY=B8.2    FLU1=6.3E+05  FLU10=1.0E+04  PKI=0100 1122  PAI=003
  BOU-DEV=003,003,004,004,003,008,013,004  DEV-AVG=005 NT    SWF=00:000
  XRAY-MAX= M1.1  @ 1659UT    XRAY-MIN= B6.4   @ 2230UT    XRAY-AVG= C1.4
NEUTN-MAX= +002%  @ 2225UT    NEUTN-MIN= -002%  @ 2145UT    NEUTN-AVG= +0.0%
  PCA-MAX= +0.1DB @ 0945UT    PCA-MIN= -0.2DB @ 1325UT    PCA-AVG= -0.0DB
BOUTF-MAX=55350NT @ 1404UT    BOUTF-MIN=55342NT @ 2131UT    BOUTF-AVG=55346NT
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+060,+000,+000
GOES6-MAX=P:+115NT@ 2018UT    GOES6-MIN=N:-056NT@ 0912UT    G6-AVG=+082,+029,-038
  FLUXFCST=STD:135,135,130;SESC:135,135,130  BAI/PAI-FCST=025,030,020/025,035,020
  KFCST=3334 4433 4450 4535  27DAY-AP=022,039  27DAY-KP=2115 5435 4555 4455
  WARNINGS=*SWF;*MAJFLR
  ALERTS=**M1.1/1N@1659UTC
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 27 DEC 93 was 55.0.  
The Full Kp Indices for 27 DEC 93 are: 1o 1+ 2- 1+ 2- 2+ 1o 1-

#### SYNOPSIS OF ACTIVITY

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Solar activity was moderate by virtue of a single M1/1N flare in Region 7640 (N09W39) at 28/1659UT. This region produced only three C-class flares and is beginning to decay. Region 7644 (N12W26) produced a single small C-class flare and is decaying as well.

Solar activity forecast: solar activity is expected to be low to moderate. Region 7640 has a good chance of an occasional M-class flare and an outside chance of an isolated X-class flare.

The geomagnetic field has been at quiet levels for the past 24 hours.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled for the next 12 to 18 hours then unsettled to minor storm for the remainder of the forecast period as a large coronal hole rotates into favorable position. High latitude stations could see major to severe storm levels.

Event probabilities 29 dec-31 dec

Class M	50/50/50
Class X	05/05/05
Proton	05/05/05
PCAF	Green

Geomagnetic activity probabilities 29 dec-31 dec

A. Middle Latitudes

Active	30/30/30
Minor Storm	25/25/25
Major-Severe Storm	05/10/05

B. High Latitudes

Active	30/30/30
Minor Storm	30/30/30
Major-Severe Storm	10/15/10

HF propagation conditions were normal over all regions. Conditions are expected to become degraded over the next 24 to 48 hours as a well placed coronal hole elevates levels of geophysical activity. High and polar latitude paths should see the heaviest degradation, although middle latitude paths will also notice the effects of this activity on night-sector paths. Conditions are expected to be the poorest on 30 December. Recovery to near-normal is not expected until early January.

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 28/2400Z DECEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7640	N10W39	205	0550	FKI	16	040	BETA-GAMMA	
7641	N06W34	200	0090	HSX	02	002	ALPHA	
7644	N12W26	192	0050	CSO	09	009	BETA	
7645	N11E80	086	0210	DSI	06	004	BETA	
7646	S09E83	083	0040	CSO	05	003	BETA	
7643	S18E16	150					PLAGE	

REGIONS DUE TO RETURN 29 DECEMBER TO 31 DECEMBER

NMBR	LAT	LO
7634	S12	073

LISTING OF SOLAR ENERGETIC EVENTS FOR 28 DECEMBER, 1993

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
-------	-----	-----	-----	-----	------	----	--------	------	-------

1205	1210	1214				C4.6		1300	130
1650	1659	1706	7640	N07W37	M1.1	1N			30
2244	2307	2322			C5.0			270	

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 28 DECEMBER, 1993

-----  
 BEGIN            MAX            END            LOCATION    TYPE    SIZE    DUR    II IV  
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 28/2400Z

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 ISOLATED HOLES AND POLAR EXTENSIONS  
 EAST    SOUTH   WEST    NORTH   CAR   TYPE   POL   AREA   OBSN  
 NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
27 Dec:	B0218	U0219	A0240		SF	7640	N09E04			
	0313	0318	0322	C1.6	SF	7640	N04W18	30		
	0353	0357	0359	C1.5	SF	7640	N05W19			
	0909	0915	0923	C4.8	SF	7640	N07W13	31		
	0950	0955	0958	C4.3	SF	7640	N06W25			
	1226	1231	1236	C1.3						
	1555	1600	1605	C1.4	SF	7640	N07W24			
	2207	2208	A2312		SF	7644	N09W18			

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REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

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	C	M	X	S	1	2	3	4	Total	(%)
	--	--	--	--	--	--	--	--	---	-----
Region 7640:	5	1	0	7	0	0	0	0	007	(77.8)
Region 7644:	0	0	0	1	0	0	0	0	001	(11.1)
Uncorrelated:	1	0	0	0	0	0	0	0	001	(11.1)

Total Events: 009 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
-----	-----	-----	-----	-----	---	-----	-----	-----
27 Dec:	0313	0318	0322	C1.6	SF	7640	N04W18	III

#### NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

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Date: 29 Dec 1993 10:54:44 GMT  
 From: usc!howland.reston.ans.net!pipex!zaphod.crihan.fr!jussieu.fr!univ-lyon1.fr!  
 ensta!peche1.ensta.fr!corwin@network.ucsd.edu  
 Subject: Help with Scanner  
 To: info-hams@ucsd.edu

Hello, world!

I have this NETSET PRO-2029 scanner that I got for Xmas... And was wondering if I could hack into it...

I opened the box and found the main chip to be labeled: GRE-0811, followed by: 342 2947XX. No manufacturer, nothing more.

Does anyone know who makes this chip? Where I could get some info on it?

This scanner is manufactured by InterTAN (Texas?). Anyone know their phone

number?

Thanks for any help!

Gilles.

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This message has been brought to you by Gilles GRAVIER - corwin@ensta.fr

\*\*\*\*\* Amber Forever! \*\*\*\*\*

I know you believe you understand what you think I said, but I am  
sure, you realize, that what you heard is not what I meant.

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Date: Tue, 28 Dec 93 22:01:29 MST

From: swrinde!cs.utexas.edu!asuvax!ennews!stat!david@network.ucsd.edu

Subject: RFI into telephones

To: info-hams@ucsd.edu

I have a G5RV type antenna in my attic which is only a few feet in  
places from my telephone wiring. This causes RFI into my telephone  
system.

Any suggestions on minimizing this?

David wb7tpy

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Editor, HICNet Medical Newsletter

Internet: david@stat.com

FAX: +1 (602) 451-6135

Bitnet : ATW1H@ASUACAD

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Date: Wed, 29 Dec 1993 08:35:31 GMT

From: sgiblab!munari.oz.au!hp9000.csc.cuhk.hk!hkuxb.hku.hk!pckwong@ames.arpa

Subject: who sells good HT battery replacements?

To: info-hams@ucsd.edu

Steve Holland (holland@gasmac.dom.uab.edu) wrote:

: MY HT power pack no longer will hold a charge over a reasonable time  
: and I am planning on replacing it. What mail order vendors makes  
: reliable battery packs that offer good value? I am looking for  
: something that will fit an ALINCO DJ500T HT.

:

: Steve Holland

Why not do it yourself with NiCd batteries with  
solder tags?

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Date: Tue, 28 Dec 1993 21:42:31 +0000  
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
news.intercon.com!udel!news.sprintlink.net!demon!llondel.demon.co.uk!  
dave@network.ucsd.edu  
To: info-hams@ucsd.edu

References <CIpCrE.2xr@world.std.com>, <757051014snx@llondel.demon.co.uk>,  
<1993Dec28.130310.14556@ke4zv.atl.ga.us>news.spr  
Subject : Re: UK scanner listeners arrested; called "hams"

In article <1993Dec28.130310.14556@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary  
Coffman) writes:

>  
>I thought you had to have a license to receive broadcast too, or is that  
>just TV?  
>

The radio licence was abolished quite some time ago. You only need a  
licence to operate a TV receiver now.

Interestingly enough, this includes a video recorder and, because a video can  
receive/record colour, you have to pay for a colour licence even if your TV  
is only a black-and-white. I have even heard a rumour that someone without a  
TV but with a teletext adapter on his computer had to get a colour licence  
because he could display the teletext in colour. Still, I suppose it is all  
worth it to get two channels with no adverts!

Dave  
--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \* Start at the beginning. Go on \*  
\* dave@llondel.demon.co.uk Internet \* until the end. Then stop. \*  
\* g4wiw@g4wiw.ampr.org Amprnet \* (the king to the white rabbit) \*  
\*\*\*\*\*

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Date: Wed, 29 Dec 1993 05:22:36 GMT  
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!emory!kd4nc!  
n4tii@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1993Dec21.214936.7904@genroco.com>,

<1993Dec22.060722.7669@kd4nc.uucp>, <2fpklm\$npng@news.acns.nwu.edu>  
Subject : Re: Where are all the young enthusiasts?

lapin@casbah.acns.nwu.edu (Gregory Lapin) writes:

>In article <1993Dec22.060722.7669@kd4nc.uucp>,  
>John Reed <n4tii@kd4nc.uucp> wrote:

>...stuff deleted

>>

>>The problem I am having with my club is my age... I am the first young ham  
>>they've had in a while that is highly active....always on the radio...operating  
>>at field day, raising hell at club meetings, etc....

>>

>>It seems that everytime there's a problem in the club, I'm the one to blame.  
>>Shortly after I got my license, we had a problem with a TouchTone bandit on  
>>the club repeater....all the OF's thought it was me..... even since, I have  
>>been more active then 80% of the club members, yet I'm still passed up for  
>>club nominations each year, passed up for control operator appointments,  
>>special duties in the club, etc...

>>

>>MMy club as yet to give me the respect that I deserve as a member and as a  
>>person..everytime I open my mouth at a meeting, I'm met with a "That's nice  
>>son" attitude and a motion to shut up... I'm cut off in mid sentence, etc...

>>

>>I don't if other clubs are like that with their new young hams, but mine is  
>>bad...

>>

>>Some of these old phartes need to learn that us new hams have plenty to offer  
>>and in no way are we threatening to the establishment... I've done plenty for  
>>my club, without return.... if they only knew what I was capable of... in  
>>the CAP, I am a group communications officer, a node operator, a repeater  
>>control operator and site custodian for the machine, I node op a ham node,  
>>(GVL07:n4tii-7 in Gainesville, GA - 145.07), I am in AF MARS, (afa2fh), and  
>>have been a region 2 net control station, a beacon station, a TEXN agent.  
>>I'm the AEC for the Hall County GA ares...etc etc etc.... but I'm just not  
>>qualified to serve as an officer in my club because "I'm too little!"

>>

>>

>>[SOUR GRAPES MODE - off]

>>

>>73 de John "pissed off at Lanierland Amatuer Radio Club" Reed, N4tii

>>

>>n4tii%kd4nc.uucp@gatech.edu

>>

>John:



>The North Shore Radio Club needs YOU! How about moving to Chicago?

Sorry, Greg...I'm pretty much planted in georgia....

Luckily, there's a club 30 minutes south in Gwinnet Co...I don't know what their ideas are on "youngins"....acutally, there's a club about 30 minutes each way from me...but the one to the east, Sawnee CLub...has the same old farts as the Lanierland club...the club to the north is the same, as well as the cleveland, GA club... the only real reason I stay with the local club is so I can have a local autopatch...I hardly ever qso on the machine anymore.

John

>Greg KD9AZ

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End of Info-Hams Digest V93 #1519

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